## CLAIMS

What is claimed is:

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A device for correcting spinal deformities, comprising:

 a support member adapted to be mounted onto a portion of a spine; and
 an anchor member adapted to join a portion of the support member to a
 deformed spine portion;

wherein the support member is capable of providing a constant or substantially constant correction force to the deformed spine portion and maintains the constant or substantially constant correction force until the spinal deformities are fully or substantially fully corrected.

- 2. The correction device of claim 1, wherein the elastic material comprises a superelastic or pseudoelastic material.
- 3. The correction device of claim 2, wherein the superelastic material has a transition temperature within the range of body temperature.
- 4. The correction device of claim 1, wherein the superelastic material comprises a nickel-titanium alloy.
- 5. The correction device of claim 1, wherein the support member comprises a pair of supporting rods.
- 6. The correction device of claim 5, further comprising a cross-link element joined between the supporting rods.
  - 7. The correction device of claim 5, wherein one of the supporting rods is at least partially formed of a superelastic material.
  - 8. The correction device of claim 1, wherein the support member is at least partially formed of a superelastic material.
- 9. The correction device of claim 8, wherein the support member is precontoured to assume the normal kyphosis and lordosis of the spine.

- 10. The correction device of claim 1, comprising first and second anchor members, wherein the first anchor member comprises a transverse traction element which is capable of providing an independent constant or substantially constant transverse traction force.
- 11. The correction device of claim 10, wherein first and second anchor members are attached to each other.
- 12. The correction device of claim 1, wherein the anchor member is at least partially formed of a superelastic material.
- 13. The correction device of claim 1, wherein the anchor member is locked to join the support member with the deformed spine portion by a mechanical tool.
  - 14. The correction device of claim 1, wherein the anchor member is locked to join the support member with the deformed spine portion by a remote access means.
  - 15. The correction device of claim 14, wherein the remote access means comprises an electromagnetic radiation member.
- 15 16. The correction device of claim 1, further comprising a braking element for adjusting the correction force.
  - 17. The correction device of claim 1, further comprising a restraining element for limiting the movement of the support member.
- 18. The correction device of claim 14, wherein the restraining element prevents the support member from rotation.
  - 19. A device for correcting spinal deformities, comprising:
    a support member adapted to be mounted onto a portion of a spine; and
    an anchor member adapted to join a portion of the support member to a
    deformed spine portion;
  - wherein at least one of the support member and the anchor member is capable of providing a constant or substantially constant correction force to the deformed spine

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portion and maintains the constant correction force until the spinal deformities are fully or substantially fully corrected.

20. A method of providing a constant or substantially constant force for correcting spinal deformities, comprising:

providing a correction force having a predetermined amount, the correction force being generated by a superelastic or pseudoelastic material; and

maintaining the correction force at the predetermined amount until the spinal deformities are fully or substantially fully corrected.

- 21. The method of claim 20, wherein the predetermined amount of the correction force can be adjusted.
  - 22. The method of claim 20, wherein the correction force is activated during the spine correction surgery.
  - 23. The method of claim 20, wherein the correction force is activated after the spine correction surgery.
    - 24. The method of claim 20, wherein the correction force is heat activated.
  - 25. The method of claim 24, wherein the correction force is activated at the human body temperature.
    - 26. The method of claim 20, wherein the correction force is remotely activated.
- 27. The method of claim 26, wherein the correction force is activated electromagnetically.
  - 28. The method of claim 20, wherein the correction force is applied to the deformed spine portion from the anterior aspect of the spine.
  - 29. The method of claim 20, wherein the correction force is applied to the deformed spine portion from the posterior aspect of the spine.

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- 30. The device of claim 1, wherein the support member is adapted to be attached to the anterior aspect of the spine.
- 31. The device of claim 1, wherein the support member is adapted to be attached to the posterior aspect of the spine.